

2836-205965



1893

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JUNE 04, 1998

PTAS

WINSTEAD SECHREST & MINICK P.C.
JAMES J. MURPHY
5400 RENAISSANCE TOWER
1201 ELM STREET
DALLAS, TEXAS 75270



100686362A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

JC564 U.S. PTO
09/17407
11/20/00

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/06/1998

REEL/FRAME: 9083/0528
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MALCOLM, RONALD D., JR.

DOC DATE: 03/23/1998

ASSIGNOR:

KLAAS, JEFF

DOC DATE: 03/23/1998

ASSIGNOR:

GENTRY, MARK

DOC DATE: 03/23/1998

ASSIGNOR:

MATTHEWS, PHILLIP

DOC DATE: 03/23/1998

ASSIGNEE:

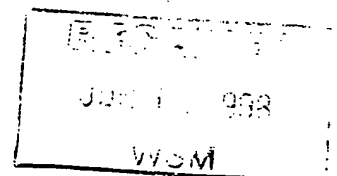
CRYSTAL SEMICONDUCTOR CORP.
4210 SOUTH INDUSTRIAL DRIVE
AUSTIN, TEXAS 78744

SERIAL NUMBER: 08949563
PATENT NUMBER:

FILING DATE: 10/14/1997
ISSUE DATE:

DOCKETED

DATE: 6/12/98
BY: [Signature]



9083/0528 PAGE 2

PEARLENE FOSTER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

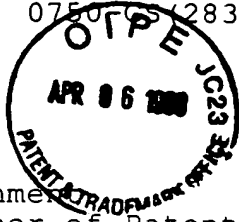
04-14-1998



100686362

ATTORNEY
DOCKET NO. 075006 (2836-P059US)

PATENT
ASSIGNMENT COVER LETTER



1

Box Assignment
Commissioner of Patents and Trademarks
Washington, D.C. 20231



ASSIGNMENT COVER LETTER ACCOMPANYING
NEW PATENT APPLICATION

1. Particulars of the application for which the accompanying assignment applies are as follows:

Inventor(s):

- (1) Ronald D. Malcolm Jr.
- (2) Jeff Klaas
- (3) Mark Gentry
- (4) Phillip Matthews

Title of Invention:

SINGLE-CHIP AUDIO CIRCUITS, METHODS AND
SYSTEMS USING THE SAME

2. Execution Date of Application:

By (1) Ronald D. Malcolm Jr. on March 23, 1998
(2) Jeff Klaas on March 23, 1998
(3) Mark Gentry on March 23, 1998
(4) Phillip Matthews on March 23, 1998

3. Name of Assignor(s):

By (1) Ronald D. Malcolm Jr.
(2) Jeff Klaas
(3) Mark Gentry
(4) Phillip Matthews

4. Name and Address of Assignee(s):

(1) Crystal Semiconductor Corp.
4210 South Industrial Drive
Austin, Texas 78744

04/08/1998 MCAERO
02 FC:561

00000071 08949563

5. A brief description of what the accompanying document intends to accomplish is that it is an:

An assignment of entire right, title and interest.

Execution Date of Assignment:

By

- (1) Ronald D. Malcolm Jr. on March 23, 1998
- (2) Jeff Klaas on March 23, 1998
- (3) Mark Gentry on March 23, 1998
- (4) Phillip Matthews on March 23, 1998

med 4-6-98

6. Fee payment is provided for as follows:

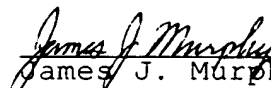
\$40.00

7. Please return the recorded document to:

**James J. Murphy
Winstead Sechrest & Minick P.C.
5400 Renaissance Tower
1201 Elm Street
Dallas, Texas 75270
Registration No. 34,503
Telephone: (214) 745-5374**

8. The undersigned attorney states that the information contained on this cover sheet is true and correct to the best of his knowledge and belief.

Enclosed is a check in the amount of \$40.00. Please charge any additional fees or credit any overpayment to Deposit Account No. 23-2426 of **Winstead Sechrest & Minick P.C.** A duplicate copy of this sheet is enclosed.



James J. Murphy
Reg. No. 34,503
5400 Renaissance Tower
1201 Elm Street
Dallas, Texas 75270
(214) 745-5374

March 31, 1998

WHEREAS, I the undersigned inventor, of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

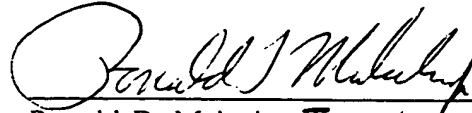
NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.

I will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

Title of Invention: SINGLE-CHIP AUDIO CIRCUITS, METHODS AND SYSTEMS USING THE SAME

2

Signature of Inventor:
Inventor's Name:
Residence (City, County, State)



Ronald D. Malcolm Jr. ~~1987~~
Austin, Travis County, Texas


Date:

3-23-98

Date Application Executed:

3-23-98

Signature of Inventor:
Inventor's name:
Residence (City, County, State)



Jeff Klaas
Austin, Travis County, Texas

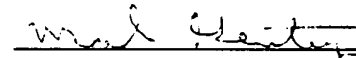
Date:

3/23/98

Date Application Executed:

3/23/98

Signature of Inventor
Inventor's name:
Residence (City, County, State)



Mark Gentry
Austin, Travis County, Texas

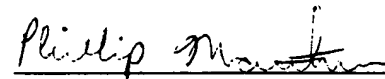
Date:

3/23/98

Date Application Executed:

3/23/98

Signature of Inventor:
Inventor's name:
Residence (City, County, State)



Phillip Matthews
Austin, Travis County, Texas

Date:

3/23/98

Date Application Executed:

3/23/98